

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of the claims in the application:

- 1 1. (Previously Presented) A computer implemented method of storing commands, comprising:
2 recording a first set of commands to a command queue to provide a first dynamic
3 snapshot, wherein the first dynamic snapshot corresponds to a set of commands associated with
4 a first system state;
5 storing the first dynamic snapshot at a first time;
6 recording one or more additional sets of commands to the command queue;
7 storing the one or more additional sets of commands, wherein storing a first one of the
8 one or more additional sets of commands is spaced in time from storing a second one of the one
9 or more additional sets of commands by a first storage interval;
10 eliminating selected ones of overridden, redundant, or superfluous commands from the
11 command queue to provide a second dynamic snapshot, wherein the second dynamic snapshot
12 corresponds to a set of commands associated with a second system state; and
13 storing the second dynamic snapshot at a second time, wherein a difference between the
14 first time and the second time corresponds to a second storage interval.
- 1 2. (Original) The method of claim 1, wherein the first storage interval is less than one second.
- 1 3. (Original) The method of Claim 1, wherein the first storage interval is less than five seconds.
- 1 4. (Original) The method of Claim 1, wherein the first storage interval is less than sixty
2 seconds.
- 1 5. (Original) The method of Claim 1, wherein the second storage interval is greater than sixty
2 seconds.

- 1 6. (Original) The method of Claim 1, wherein the second storage interval is greater than five
2 minutes.
- 1 7. (Original) The method of Claim 1, wherein the second storage interval is greater than ten
2 minutes.
- 1 8. (Original) The method of Claim 1, wherein the commands include scene graph display
2 commands associated with a graphical display.
- 1 9. (Previously Presented) The method of Claim 1, wherein the commands include two-
2 dimensional display commands associated with a scene graph and associated with a graphical
3 display, which commands are adapted for interpretation by a three dimensional (3D) graphics
4 circuit board.
- 1 10. (Original) The method of Claim 1, wherein the commands are associated with an air traffic
2 control (ATC) display.
- 1 11. (Original) The method of Claim 1, wherein the recording the first set of commands and the
2 recording the one or more additional set of commands are adapted to store the first set of
3 commands and the one or more additional sets of commands in an electronic solid-state
4 memory.
- 1 12. (Original) The method of Claim 1, wherein the storing the first and second dynamic
2 snapshots and the storing the one or more additional sets of commands are adapted to store the
3 first and second dynamic snapshots and the one or more additional sets of commands in a non-
4 volatile memory.

1 13. (Original) The method of Claim 12, wherein the non-volatile memory comprises at least one
2 of an electronic non-volatile memory and a tape recorder.

1 14. (Original) The method of Claim 1, further including:

2 receiving a time of interest, wherein the time of interest is between the first time and the
3 second time;

4 retrieving the first dynamic snapshot;

5 retrieving selected ones of the one or more additional sets of commands, wherein the
6 selected ones of the one or more additional sets of commands include commands recorded at or
7 before the time of interest;

8 appending the selected ones of the one or more sets of commands to the first dynamic
9 snapshot to provide an intermediate dynamic snapshot associated with the time of interest; and
10 interpreting the commands associated with the intermediate dynamic snapshot.

1 15. (Previously Presented) The method of Claim 14, further including eliminating selected ones
2 of overridden, redundant, or superfluous commands from within the intermediate dynamic
3 snapshot.

1 16. (Previously Presented) The method of Claim 14, wherein the commands include display
2 commands associated with a scene graph and associated with a graphical display, which
3 commands are adapted for interpretation by a three dimensional (3D) graphics circuit board, and,
4 wherein the interpreting the commands includes generating the graphical display.

1 17. (Previously Presented) The method of Claim 14, wherein the commands include two-
2 dimensional display commands associated with a scene graph and associated with a graphical
3 display, which commands are adapted for interpretation by a three dimensional (3D) graphics
4 circuit board, and wherein the interpreting the commands includes generating the graphical
5 display.

1 18. (Original) The method of Claim 14, wherein the commands are associated with an air traffic
2 control (ATC) display, wherein the interpreting the commands includes generating the ATC
3 display.

1 19. (Original) The method of Claim 1, further including:

2 receiving a time of interest, wherein the time of interest is between the first time and the
3 second time;

4 retrieving the first dynamic snapshot;

5 interpreting the first dynamic snapshot

6 retrieving selected ones of the one or more additional sets of commands, wherein the
7 selected ones of the one or more additional sets of commands include commands recorded at or
8 before the time of interest; and

9 interpreting the selected ones of the one or more additional sets of display commands.

1 20. (Previously Presented) The method of Claim 19, wherein the commands include display
2 commands associated with a scene graph and associated with a graphical display, which
3 commands are adapted for interpretation by a three dimensional (3D) graphics circuit board,
4 wherein the interpreting the first dynamic snapshot includes generating the graphical display, and
5 wherein the interpreting the selected ones of the one or more additional sets of display
6 commands includes updating the graphical display.

1 21. (Previously Presented) The method of Claim 19, wherein the display commands include
2 two-dimensional display commands associated with a scene graph and associated with a
3 graphical display, which commands are adapted for interpretation by a three dimensional (3D)
4 graphics circuit board, wherein the interpreting the first dynamic snapshot includes generating
5 the graphical display, and wherein the interpreting the selected ones of the one or more
6 additional sets of display commands includes updating the graphical display.

1 22. (Previously Presented) The method of Claim 20, wherein the commands are associated with
2 an air traffic control (ATC) display, wherein the interpreting the first dynamic snapshot includes
3 generating the ATC display, and wherein the interpreting the selected ones of the one or more
4 additional sets of display commands includes updating the ATC display.

1 23-36 (Canceled)

1 37. (Previously Presented) A system for storing commands, comprising:
2 a recording proxy adapted to intercept the commands;
3 a dynamic snapshot generator coupled to the recording proxy for providing dynamic
4 snapshots, wherein each dynamic snapshot corresponds to a respective set of commands and
5 each set of commands is associated with a system state, wherein the dynamic snapshot generator
6 is adapted to eliminate selected ones of overridden, redundant, or superfluous commands from
7 each one of the command sets;
8 a command interface coupled to the recording proxy for providing commands;
9 a storage module coupled to the command interface and to the dynamic snapshot
10 generator, for storing the commands and for storing the dynamic snapshots.

1 38. (Previously Presented) The system of Claim 37, wherein the commands include display
2 commands associated with a scene graph and associated with a graphical display, which
3 commands are adapted for interpretation by a three dimensional (3D) graphics circuit board.

1 39. (Previously Presented) The system of Claim 37, wherein the commands include two-
2 dimensional display commands associated with a scene graph and associated with a graphical
3 display, which commands are adapted for interpretation by a three dimensional (3D) graphics
4 circuit board.

1 40. (Previously Presented) The system of Claim 37, wherein the commands are associated with
2 an air traffic control (ATC) display.

1 41. (Previously Presented) The system of Claim 37, wherein the dynamic snapshot generator
2 includes:

3 a command queue having:

4 a command stack portion for recording commands; and

5 a dynamic snapshot portion for recording commands associated with a system
6 state, and

7 a processor adapted to combine the commands in the command queue to eliminate
8 selected ones of overridden, redundant, or superfluous commands in the command queue.

1 42. (Previously Presented) The system of Claim 41, wherein the storage module is adapted to
2 store commands associated with the command stack portion and to store commands associated
3 with the dynamic snapshot portion.

1 43. (Previously Presented) The system of Claim 41, wherein the storage module is adapted to
2 provide display commands associated with the command stack portion and the display
3 commands associated with the dynamic snapshot portion for generating a graphical display.